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## IN THE CLAIMS

1  
2  
3 Please amend Claim 1 as follows.

4  
5 1. (Currently Amended) A data processing unit for  
6 executing an encrypted software program, the data  
7 processing unit comprising:

8 a processor for decrypting the encrypted software  
9 program and for executing software program, the processor  
10 including an identifying number, the identifying number  
11 being accessible only by the processor; and

12 a memory unit, the memory unit storing the decryption  
13 procedure, the encrypted program being encrypted using at  
14 least a portion of the identifying number;

15 wherein, when the processor is to execute the software  
16 program, the software program is decrypted using ~~the at~~  
17 ~~least a portion of the identifying number~~ the decryption  
18 procedure along with the identifying number.

19  
20 2. (Original) The data processing unit as recited in  
21 claim 1 wherein the encrypted software program is stored in  
22 the memory unit.

23  
24 3. (Original) The data processing unit as recited in  
25 claim 1 further comprising an external memory unit, wherein  
26 the encrypted software program is stored in an external  
27 memory unit.

28  
29 4. (Original) The data processing unit as recited in  
30 claim 1 wherein the identifying number is a serial number.

1 5. (Original) The data processing unit as recited in  
2 claim 1 wherein the identifying number is associated with a  
3 plurality of data processing units.

4  
5 Please amend Claim 6 as follows.

6  
7 6. (Currently Amended) A method for protecting software  
8 programs, the method comprising:

9 providing a data processing unit with an identifying  
10 number, the identifying number being accessible only by the  
11 processing unit;

12 encrypting a software program external to the data  
13 processing unit using at least a portion of the identifying  
14 number; and

15 decrypting the encrypted software program prior for  
16 execution of the software program by the data processing  
17 unit using the identifying number and a decryption  
18 procedure stored in the processing unit.

19  
20 Please cancel Claim 7.

21  
22 7. (Cancelled) ~~The method as recited in claim 6 further~~  
23 ~~comprising the step of storing the identifying number in~~  
24 ~~non-volatile memory unit accessible only to the data~~  
25 ~~processing unit.~~

26

1 Please amend Claim 8 as follows.

2

3 8. (Currently Amended) The method as recited in claim 7  
4 6 wherein the identifying number is a serial number for the  
5 data processing unit.

6

7 Please amend Claim 9 as follows.

8

9 9. (Currently Amended) The method as recited in claim 7  
10 6 wherein the encrypted software program is stored external  
11 to the data processing unit.

12

13 Please amend Claim 10 as follows.

14

15 10. (Currently Amended) The method as recited in claim 7  
16 wherein the encrypted program is stored in data processing  
17 unit.

18

19 Please amend Claim 11 as follows.

20

21 11. (Currently Amended) A data processing system, the  
22 system comprising:

23 a host data processing unit, the data processing unit  
24 including an identifying number stored therein, the  
25 identifying number being accessible only by the data  
26 processing unit, the host processing unit encrypting a  
27 software program using at least a portion of the  
28 identifying number; and

29 a decryption target data processing unit, the  
30 decryption target data processing unit decrypting software

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1 programs with a software procedure using a decryption key  
2 based on the identifying number;

3 wherein the data processing unit decodes an encrypted  
4 software program applied thereto using the decryption key.

5  
6 **Please amend Claim 12 as follows.**

7  
8 12. **(Currently Amended)** The system as recited in claim 11  
9 wherein the identifying number is the data processing unit  
10 serial number.

11  
12 **Please amend Claim 13 as follows.**

13  
14 13. **(Currently Amended)** The system as recited in claim 11  
15 further comprising a memory unit external to the target  
16 data processing unit, the memory unit storing encrypted  
17 software programs.

18  
19 **Please amend Claim 14 as follows.**

20  
21 14. **(Currently Amended)** The system as recited in claim 11  
22 further comprising a memory unit in the target data  
23 processing unit, the memory unit storing encrypted software  
24 programs prior to decryption.

25  
26 **Please amend Claim 15 as follows.**

27  
28 15. **(Currently Amended)** The system as recited in claim 11  
29 wherein an encrypted program is decrypted as an entity or

1 on the fly prior to execution of the software program by  
2 the target data processing unit.

3

4 **Please cancel Claim 16.**

5

6 16. (Cancelled) ~~The system as recited in claim 11~~  
7 ~~wherein the encrypted program is stored external to the~~  
8 ~~data processing unit.~~

9

10 **Please cancel Claim 17.**

11

12 17. (Cancelled) ~~The system as recited in claim 11~~  
13 ~~wherein an encrypted program is stored in the data~~  
14 ~~processing unit.~~

15

16 **Please amend Claim 18 as follows.**

17

18 18. (Currently Amended) The system as recited in claim 15  
19 wherein decrypted portions of the software program are  
20 stored in a protected memory unit accessible to only the  
21 associated target data processing unit.

22

23 **Please amend Claim 19 as follows.**

24

25 19. (Currently Amended) The A method for protecting an  
26 execution of a software file, the method comprising:

27 providing a target processor ~~having~~ with an  
28 identifying/serial number accessible only to the target  
29 processor;

1        encrypting the software file using at least a portion  
2 of the identifying/serial number; and  
3        applying the encrypted software file to the target  
4 processor;  
5        decrypting the encrypted software file using a  
6 decryption procedure stored in the target processor and the  
7 identifying/serial number.

8  
9 **Please cancel Claim 20.**

10

11 20. (**Cancelled**) ~~The method as recited in claim 19~~  
12 ~~further comprising, in the target processor, decrypting the~~  
13 ~~encrypted software file based on the identifying serial~~  
14 ~~number.~~

15

16 **Please amend Claim 21 as follows.**

17

18 21. (**Currently Amended**) An apparatus for secure transfer  
19 of software files, the apparatus comprising:

20        a first processor, the first processor having a  
21 program for encrypting a software file using an  
22 identifying/serial number; and

23        a second processor, the second processor having a  
24 program decryption procedure for decrypting software files  
25 using at least a portion of an identifying/serial number  
26 stored in the second processor, the stored  
27 identifying/serial number being accessible only to the  
28 target processor.

1 ~~wherein the first processor encrypts the software file~~  
2 ~~using a copy of the at least a portion of the~~  
3 ~~identifying/serial number.~~

4

5 **Please cancel Claim 22.**

6

7 22. **(Cancelled)** ~~The apparatus as recited in claim 21~~  
8 ~~wherein the copy of the at least a portion of the~~  
9 ~~identifying/serial number is accessible only to the first~~  
10 ~~processor.~~

11

12 **Please amend Claim 23 as follows.**

13

14 23. **(Currently Amended)** The apparatus as recited in claim  
15 22 21 wherein the at least a portion of the  
16 identifying/serial number is accessed by the first  
17 processor based on an indicia of the second processor.

18

19 24. **(Original)** The apparatus as recited in claim 21  
20 wherein an encrypted software file is stored in an  
21 unsecured storage unit.

22

23 **Please amend Claim 25 as follows.**

24

25 25. **(Currently Amended)** The apparatus as recited in claim  
26 ~~21~~ 24 wherein the encrypted software file is stored in an  
27 unsecured storage unit prior to decryption.

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